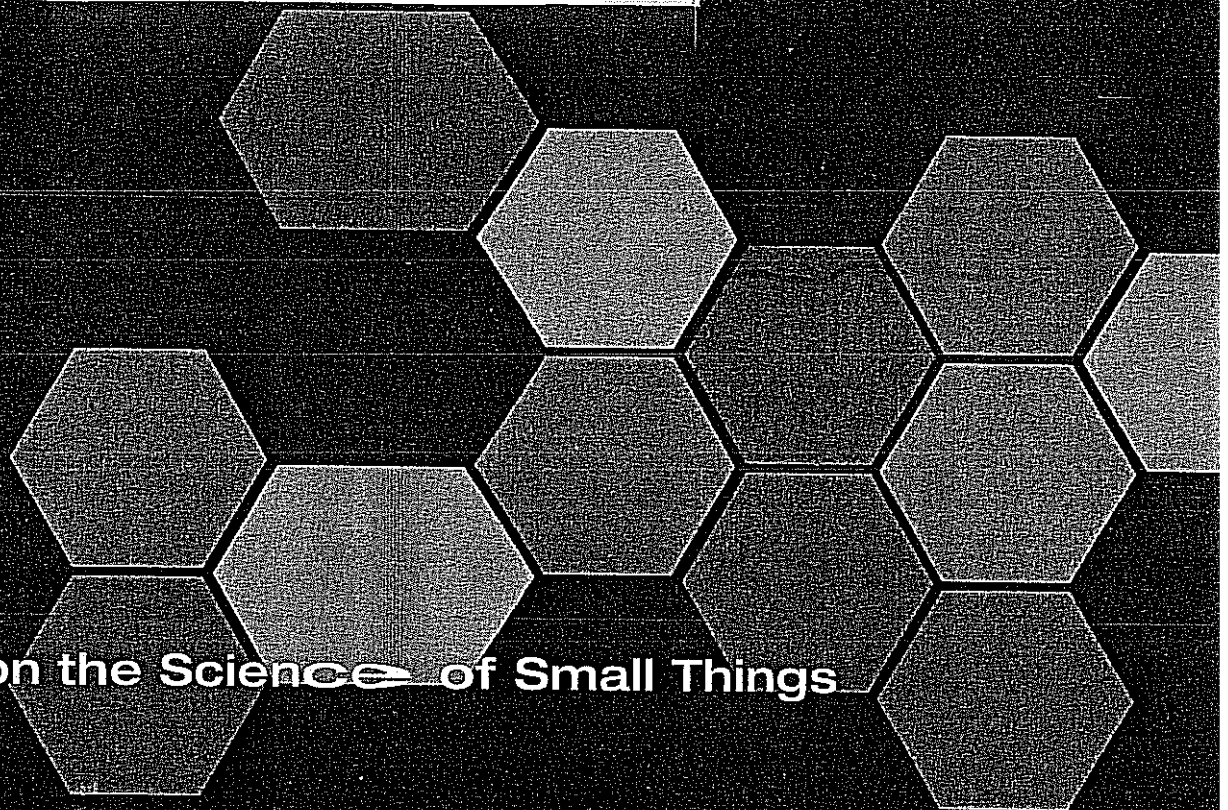
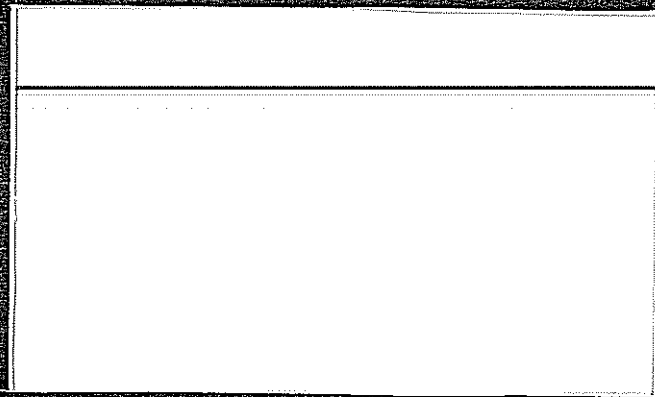


EXHIBIT “A”



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MVA
SCIENTIFIC CONSULTANTS

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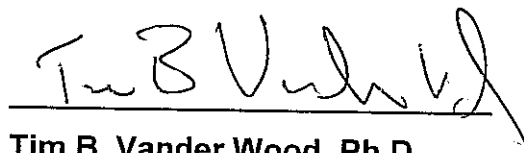
Report of Results: MVA5394

**Analysis of Settled Dust
State Correctional Facility**

Prepared for:

**State of California
Dept of General Services
Seismic & Special Programs
707 West 3rd St.
West Sacramento, CA 95605**

Respectfully Submitted by:



**Tim B. Vander Wood, Ph.D.
Executive Director**

**MVA Scientific Consultants
3300 Breckinridge Boulevard
Suite 400
Duluth, GA 30096**

11 September 2007



Report of Results: MVA5394**Analysis of Settled Dust - State Correctional Facility****Introduction**

On 1 August 2007, we received four settled dust samples and one blank from Clark Sief Clark, reportedly collected from the State Correctional Facility, End of Hwy 202, Tehachapi, California. We were asked to determine the asbestos levels in the dust and possible sources for the asbestos. Upon receipt, the samples were assigned MVA Scientific Consultants laboratory identification numbers as follows:

<u>Sample ID</u>	<u>Sample Description</u>	<u>MVA Number</u>
50VA	Unit 2-Education Secretary's office- ceiling hatch surface	S0952
51VA	Unit 2-Education Mech Rm-Top of storage shelf	S0953
52VA	Unit 2-T-Bldg. Kitchen-Mop Rm- ceiling access surface	S0954
53VA	Unit 2-Kitchen mech Rm-Top of ductwork	S0955
54VA	BLANK	S0956

All analyses were carried out in our laboratory during the period 1 August through 7 September 2007.

Methods

The samples were analyzed according to ASTM Method D5755-03 using either a Philips model EM420 or a Philips model CM120 transmission electron microscope (TEM), equipped with an Oxford INCA energy dispersive x-ray spectrometer (EDS). Additional analyses for dust constituents that might serve as source indicators were also conducted by TEM/EDS.

Results and Discussion

The results of analysis for these samples are presented in Table 1. The Appendix contains a summary of the analytical results, the laboratory count sheets, and images and EDS spectra of typical asbestos fibers found in these samples. Also contained in the appendix are images and spectra showing vermiculite associated with chrysotile fibers and other asbestiform amphibole minerals typical of those known as "Libby amphibole" and observed as contaminants in vermiculite from the Libby, Montana vermiculite mine operated by W.R. Grace.



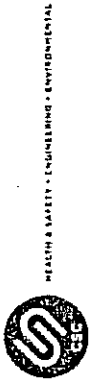
Conclusions

Dust analyzed in this study contains elevated levels of chrysotile asbestos. Portions of the dust are consistent with derivation from a chrysotile/vermiculite bearing fireproofing. Asbestiform amphibole consistent with "Libby amphibole" was also found, indicating that the vermiculite in this sample originated at least in part at W.R. Grace's Libby vermiculite mine.

Table 1. Asbestos Concentration in Settled Dust Samples

Sample ID	MVA Number	Asbestos Str/cm ²
50VA	S0952	<41,867
51VA	S0953	9,071,111
52VA	S0954	1,395,556
53VA	S0955	195,377,778
54VA	S0956	0





Chain of Custody-
TEM Micro-Vacuum

Requested TAT (Circle One) Same Day One Day (24hr) Normal (48hr)
Analysis Type (Circle One) Air Surface Bulk Water

CSC Project #	Claim #	Sampling By	# of Samples	Date(s) Taken	Page #	Total Pages		
1014265		RAS		7.30.07	1	1		
Project Name & Location:								
State Correctional Facility								
End of Hwy 202								
Tehachapi, Ca 93561								
Sampling Area and/or Building #:								
Sample #	Date	Sample Location	Pump #	Start Flow Rate End Flow Rate	Start Time End Time	Total Time	Total Volume/Area	Type of Analysis
50VA		Unit 2 - Education Secretary's office - Ceiling hatch - Surface		10.91 10.91		2min	100 cm ²	
51VA		Unit 2 - Education Mech. Rm - Top of storage shelf		10.91 10.91		2min	100 cm ²	
52VA		Unit 2 - J-Bldg. Kitchen - Mop Rm - Ceiling access Surface		10.91 10.91		2min	100 cm ²	
53VA		Unit 2 - Kitchen Meet. Rm - Top of ductwork		10.91 10.91		2min	100 cm ²	
54VA		BLANK						
Relinquished By (Print & Sign)							Analysis By (Print & Sign)	
[Signature]							8/1/07	
Relinquished By (Print & Sign)							Analysis Date & Time	
[Signature]								

APPENDIX



ASTM D5755 Results**MVA 5394**

By: W.Hill

Client project number:

Str/cm = $\frac{\text{No Str.} \times \text{CFA} \times \text{Total Vol.}}{\text{Grid Op.} \times \text{GO Area} \times \text{Vol Filt} \times \text{Area Sampled}}$

MVA #: S0952 Client #: 50.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
1	1256	10	0.009	1	100	100

Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667

Total = 13955.556 Str/CM2

MVA #: S0953 Client #: 51.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
52	1256	8	0.009	0.1	100	100

Anal. Sens = 174444.444 Str/CM2 LOD =3* Anal. Sens = 523333.333

Total = 9071111.111 Str/CM2

MVA #: S0954 Client #: 52.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
50	1256	5	0.009	1	100	100

Anal. Sens = 27911.111 Str/CM2 LOD =3* Anal. Sens = 83733.333

Total = 1395555.556 Str/CM2

MVA #: S0955 Client #: 53.VA

Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
56	1256	4	0.009	0.01	100	100

Anal. Sens = 3488888.889 Str/CM2 LOD =3* Anal. Sens = 10466666.667

Total = 195377777.778 Str/CM2

MVA #: S0956 Client #: 54.VA

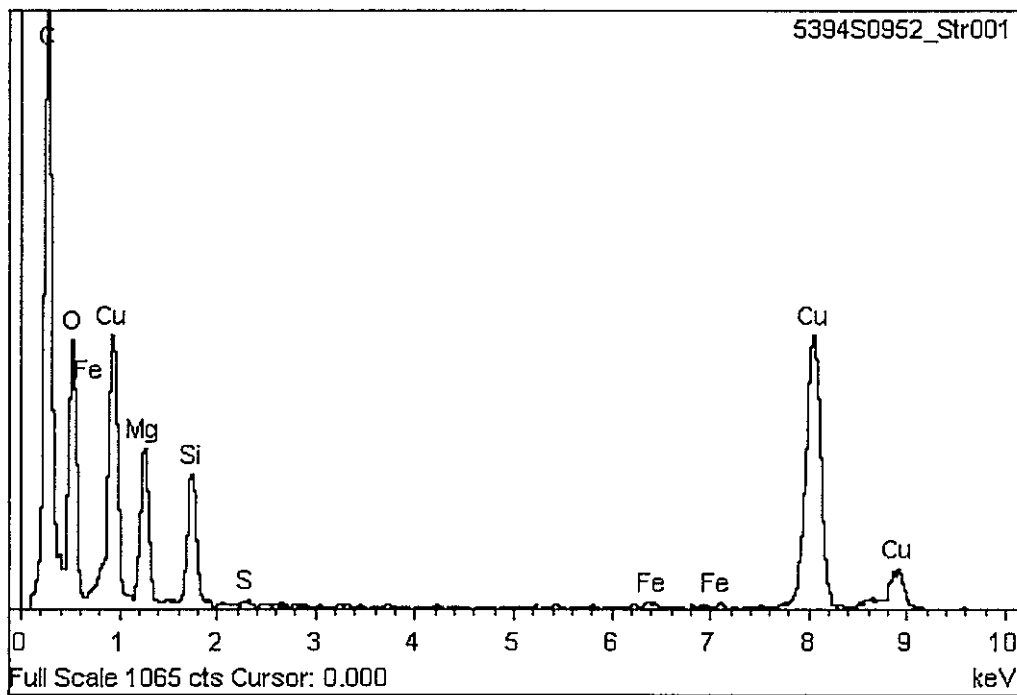
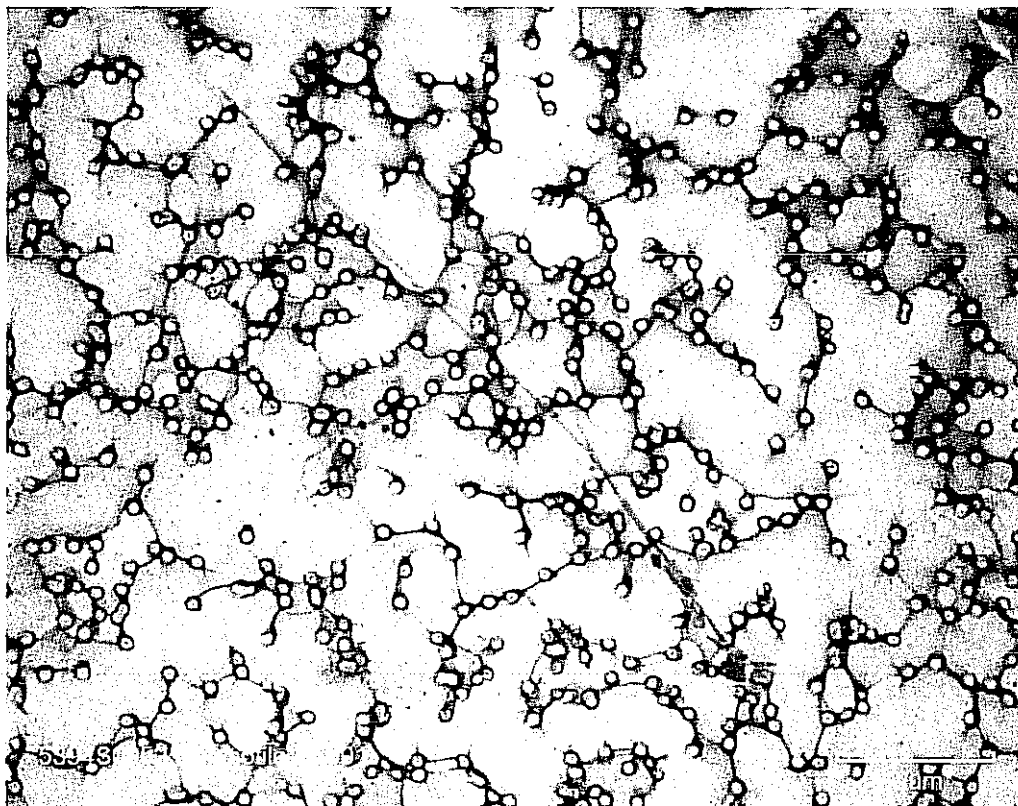
Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.
0	1256	10	0.009	1	100	0

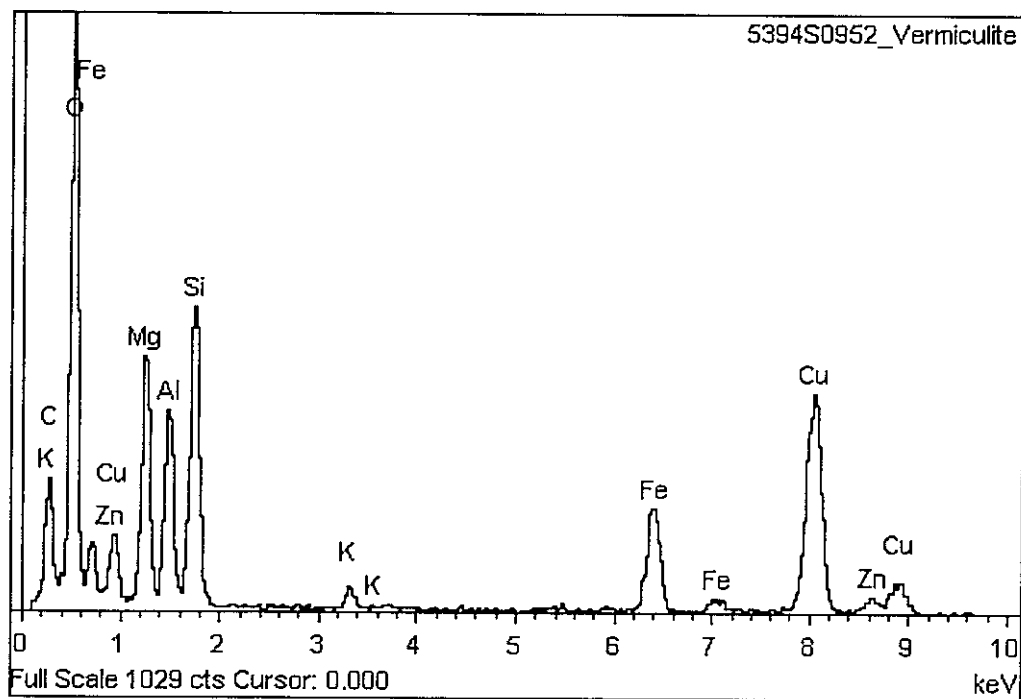
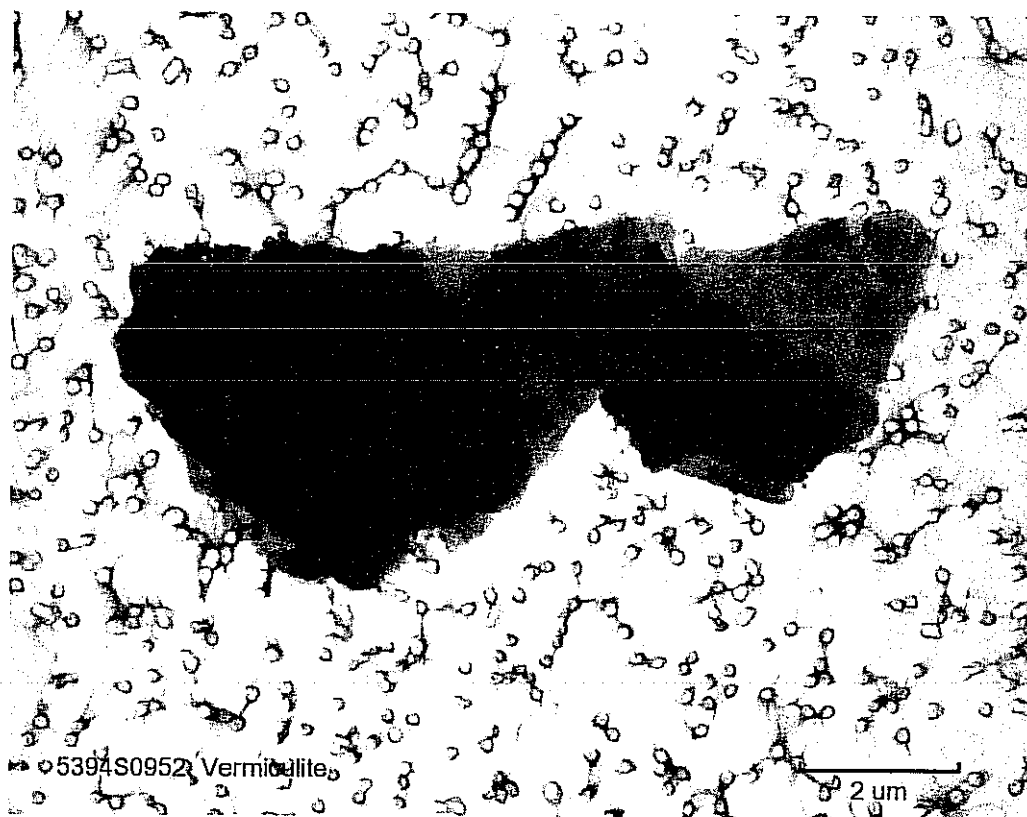
Anal. Sens = 13955.566** Str/CM2 LOD =3* Anal. Sens = 41866.667**

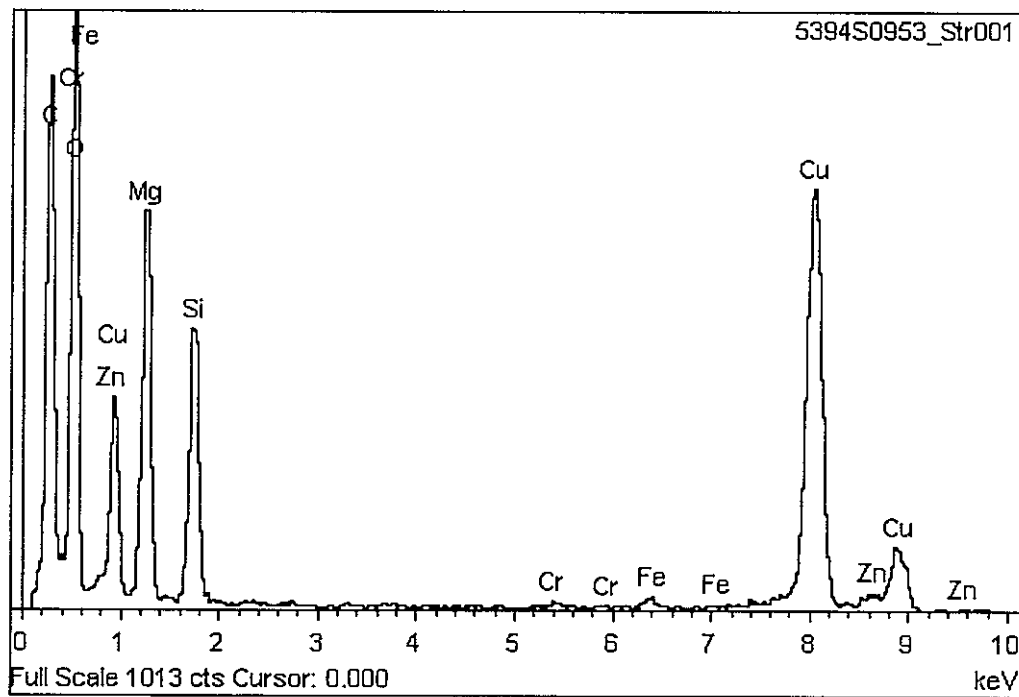
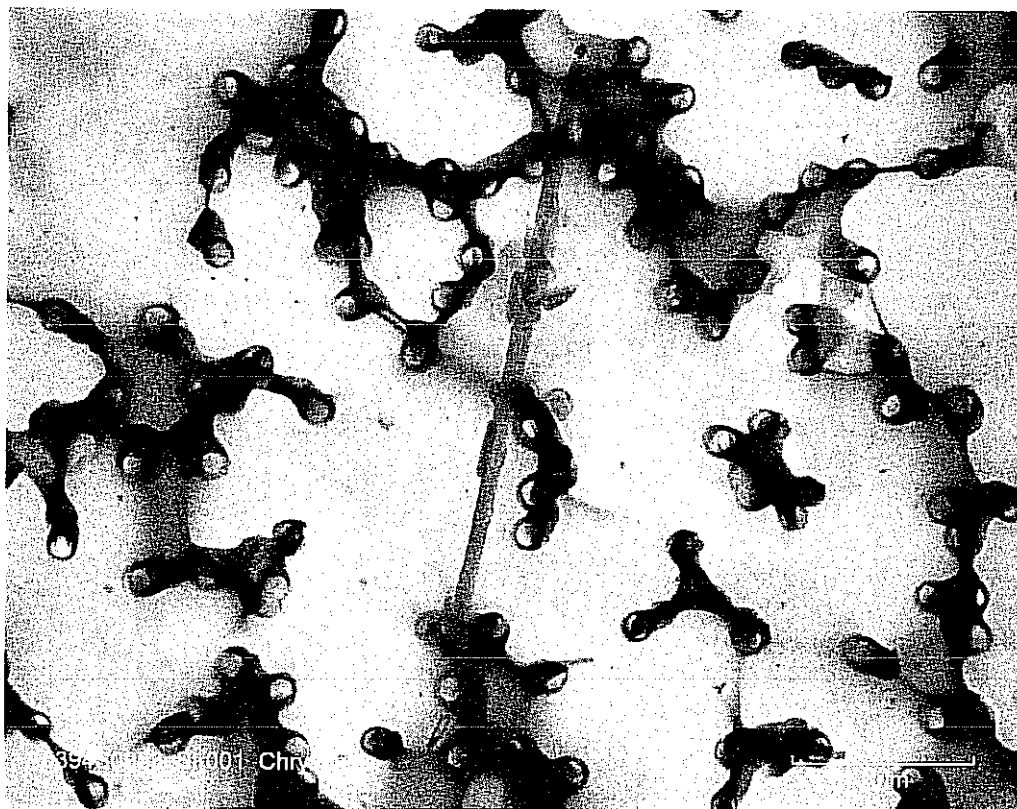
Total = 0.000 Str/CM2

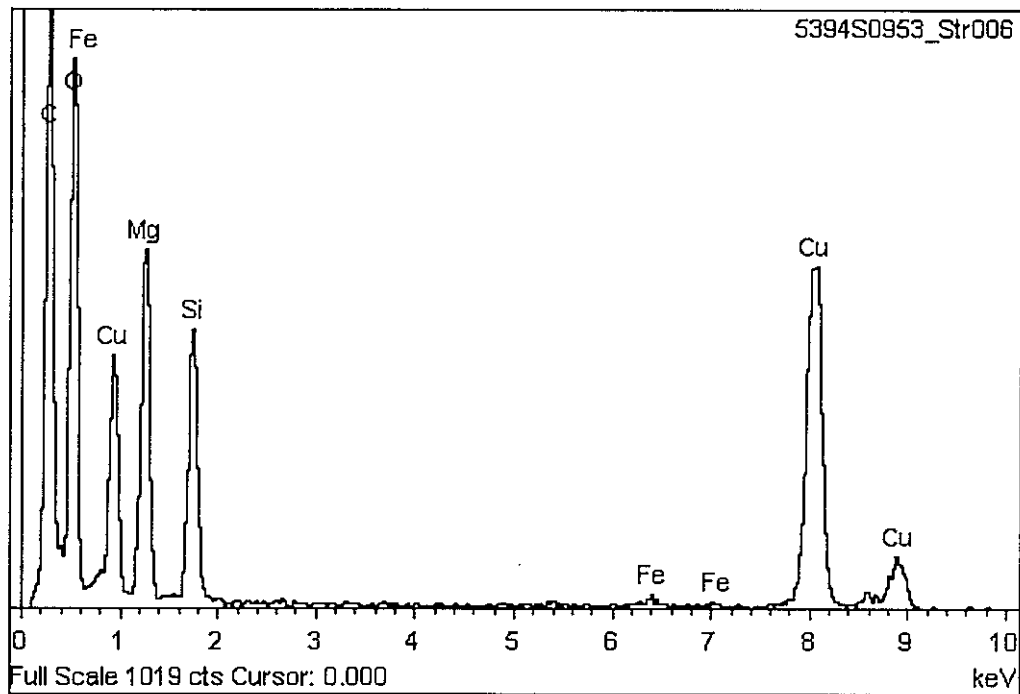
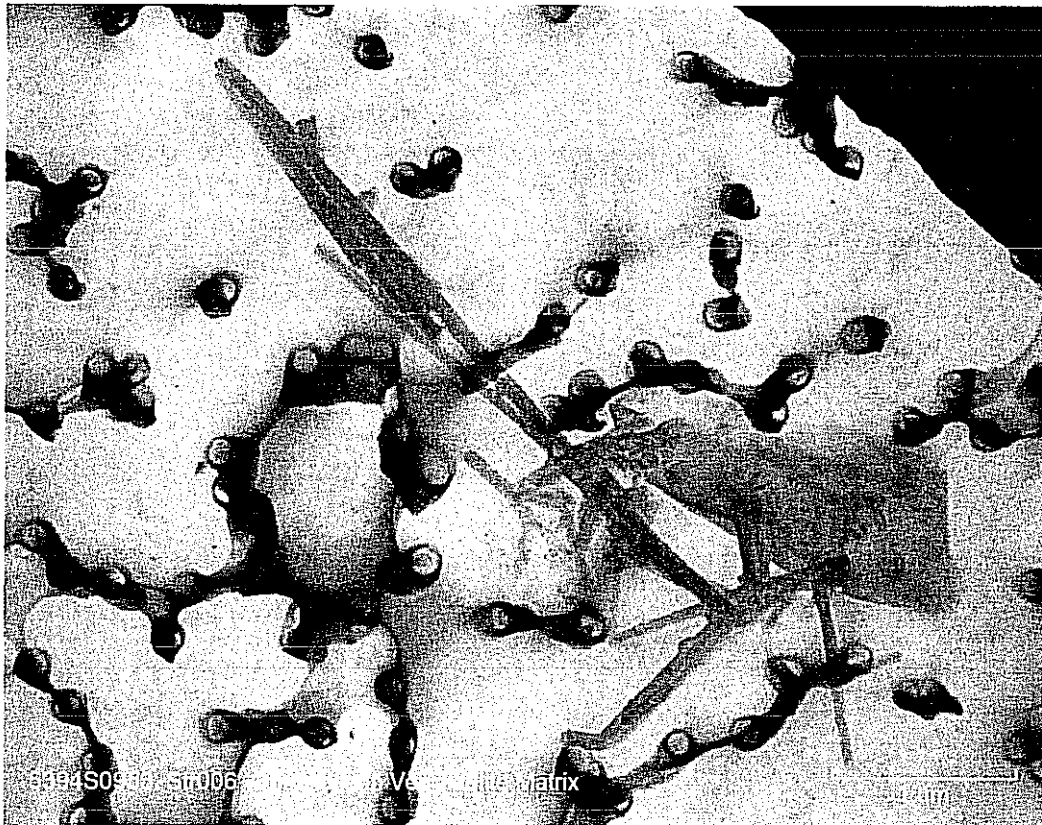
* According to ASTM D6620

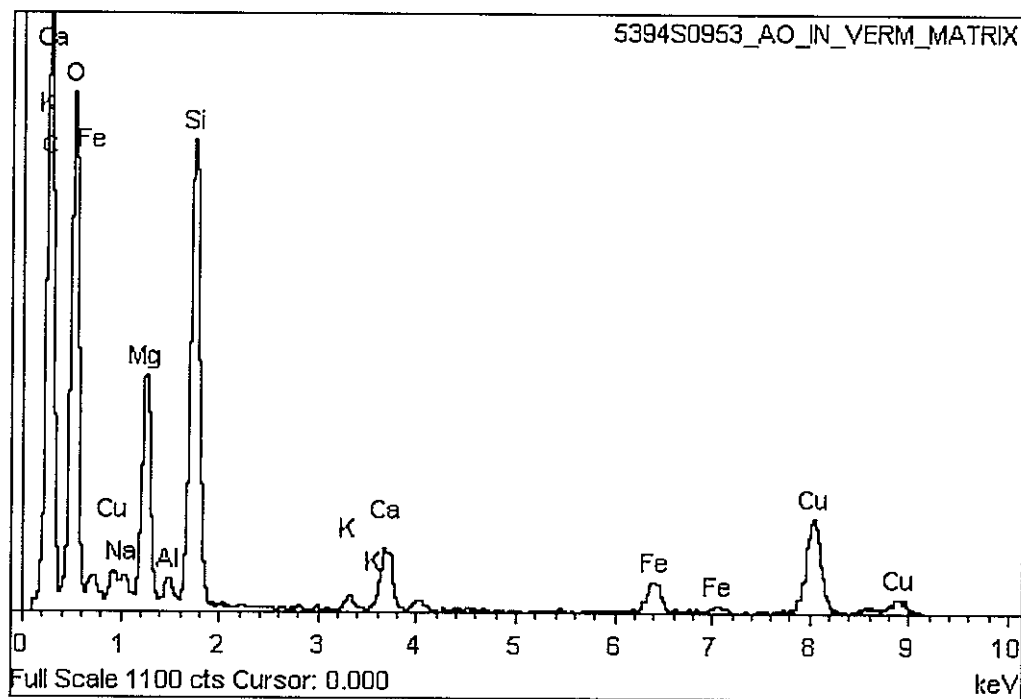
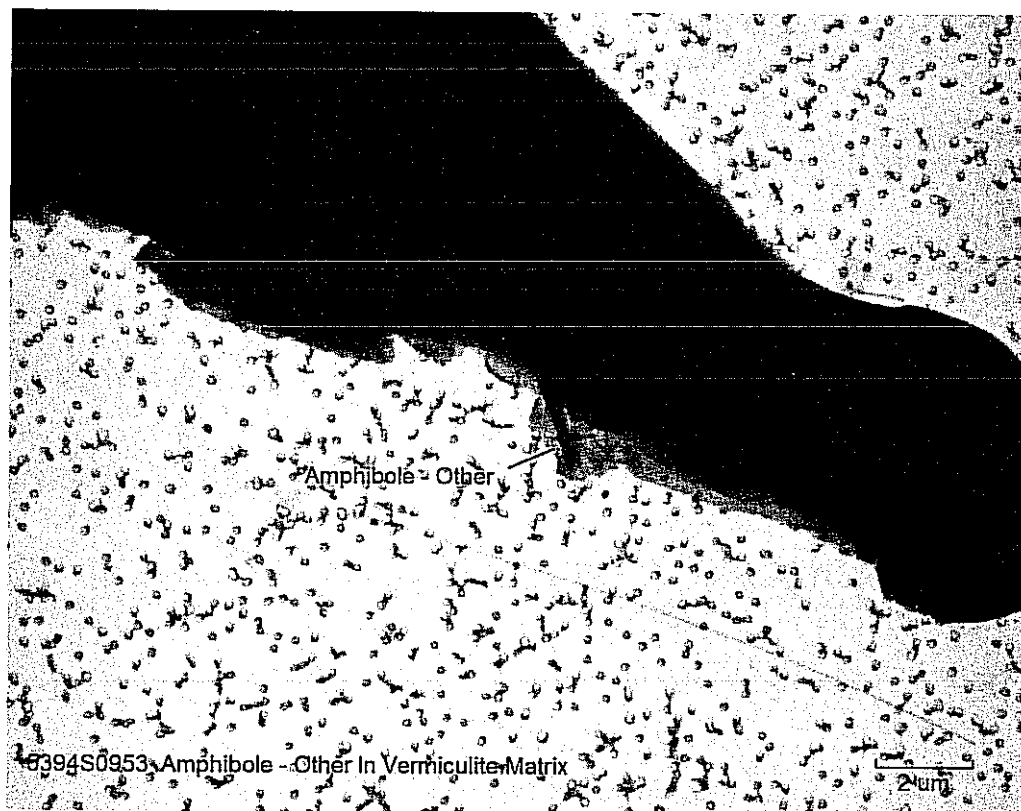
** Analytical Sensitivity Assuming 100cm² Sampling Area

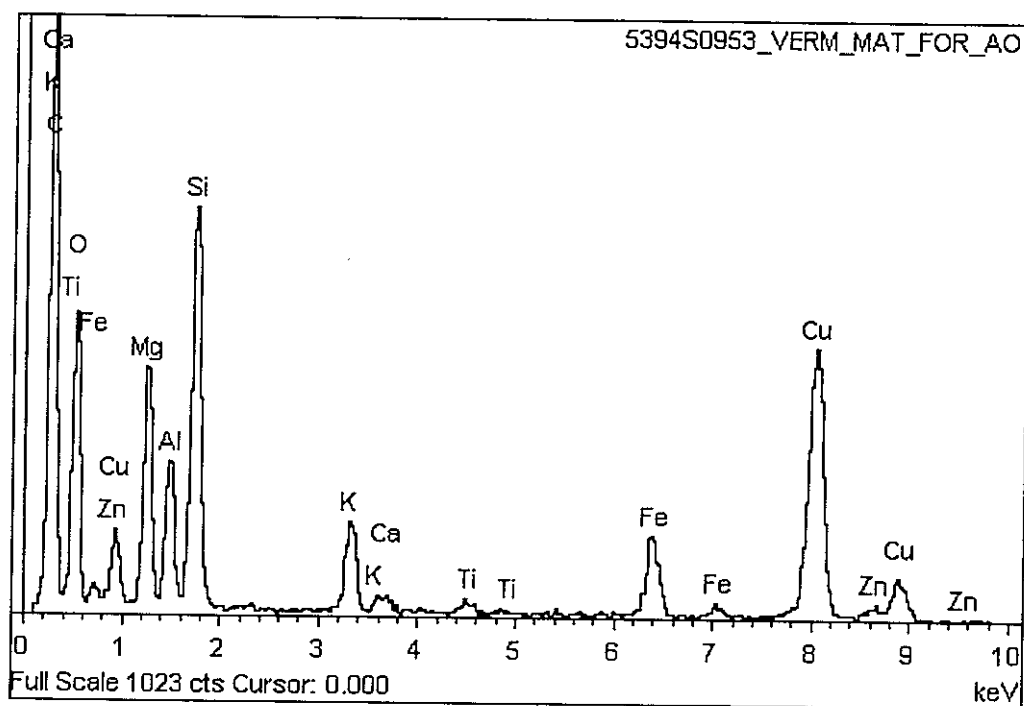
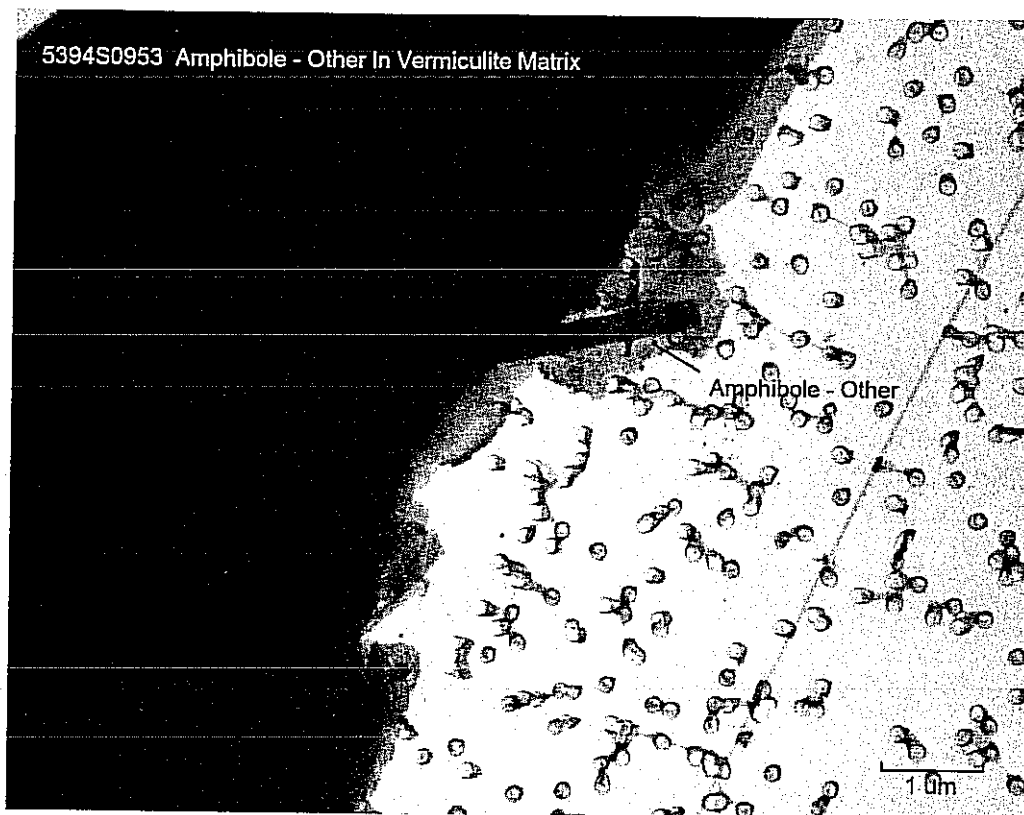


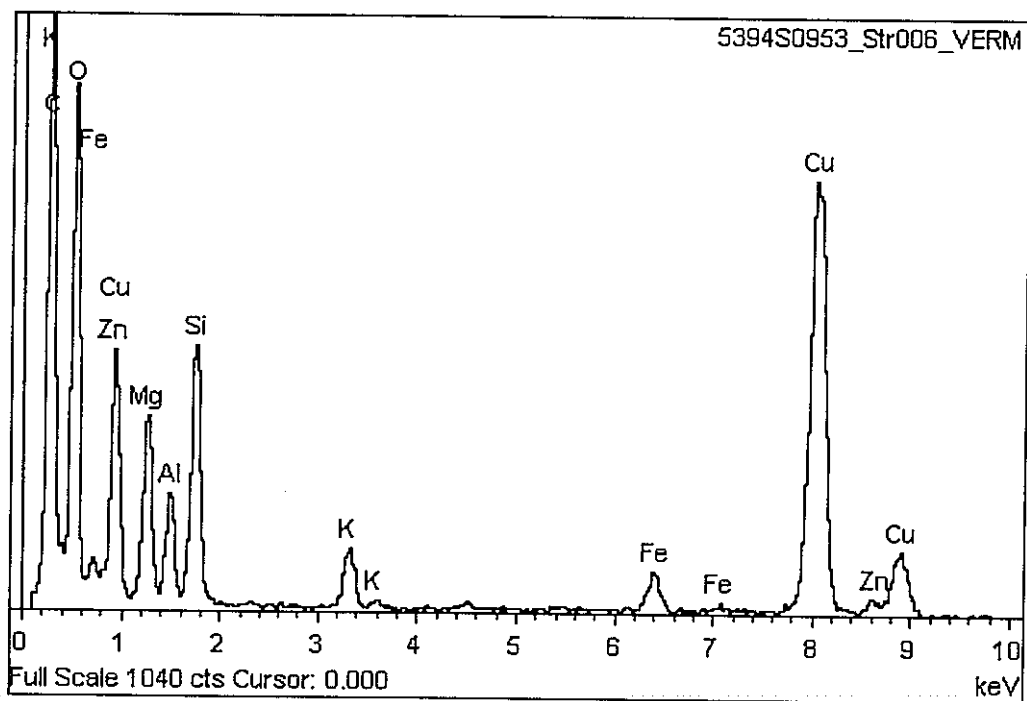


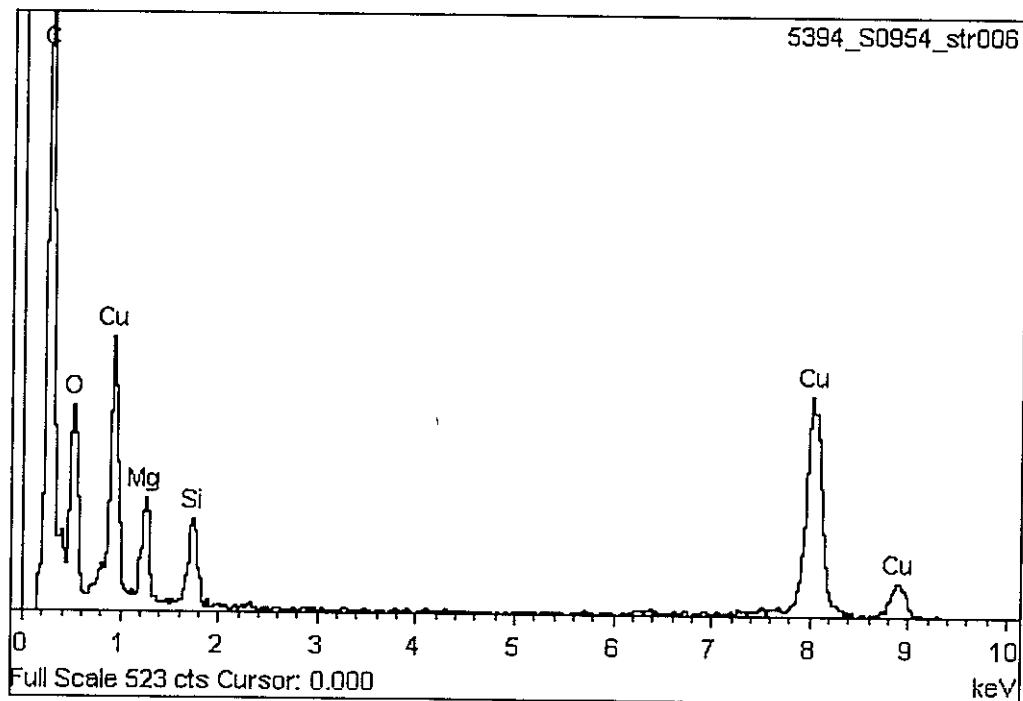
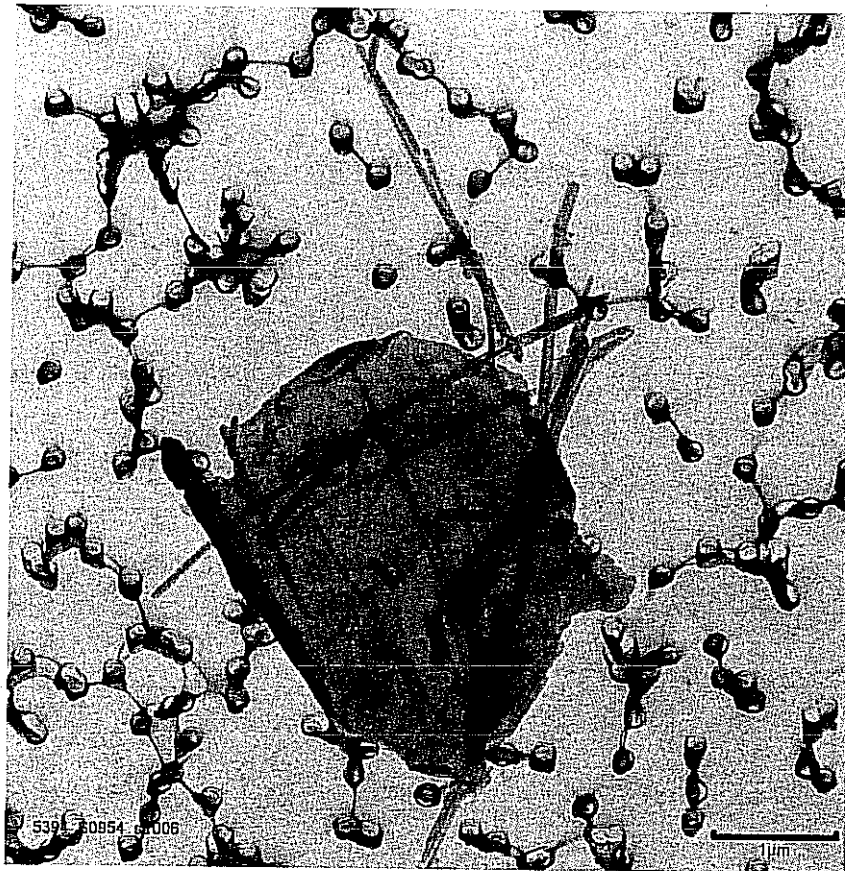


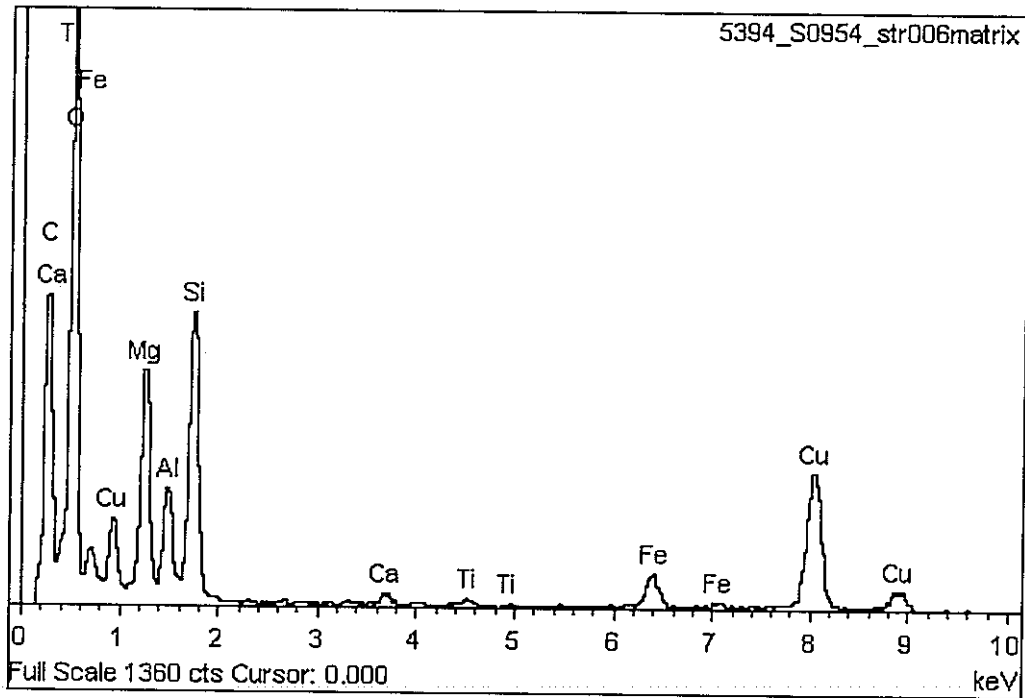


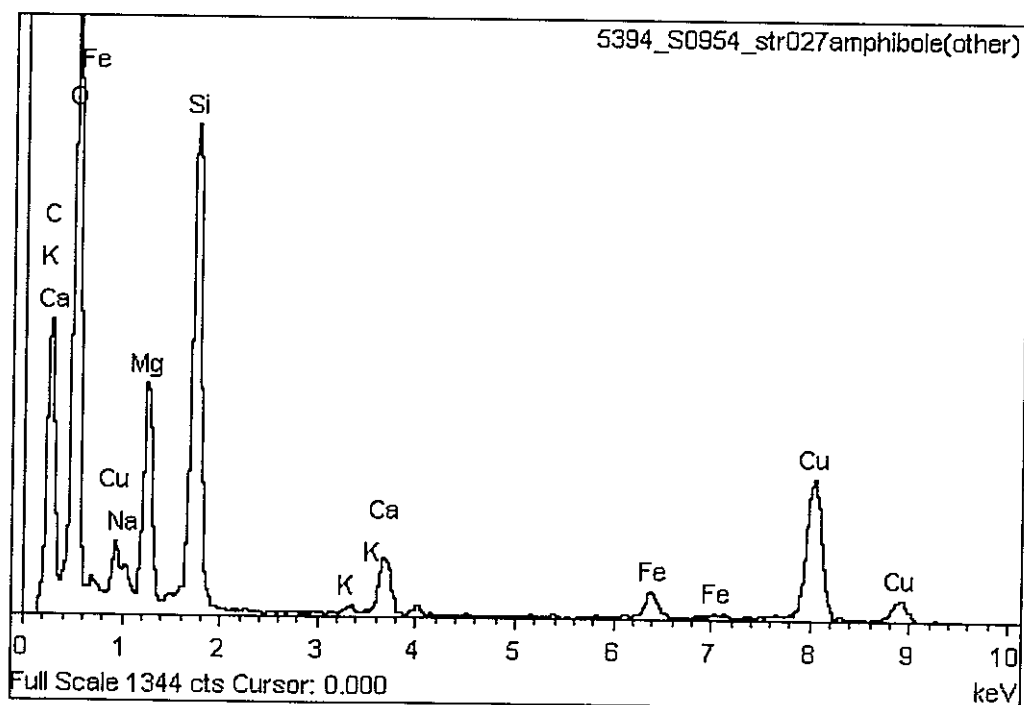
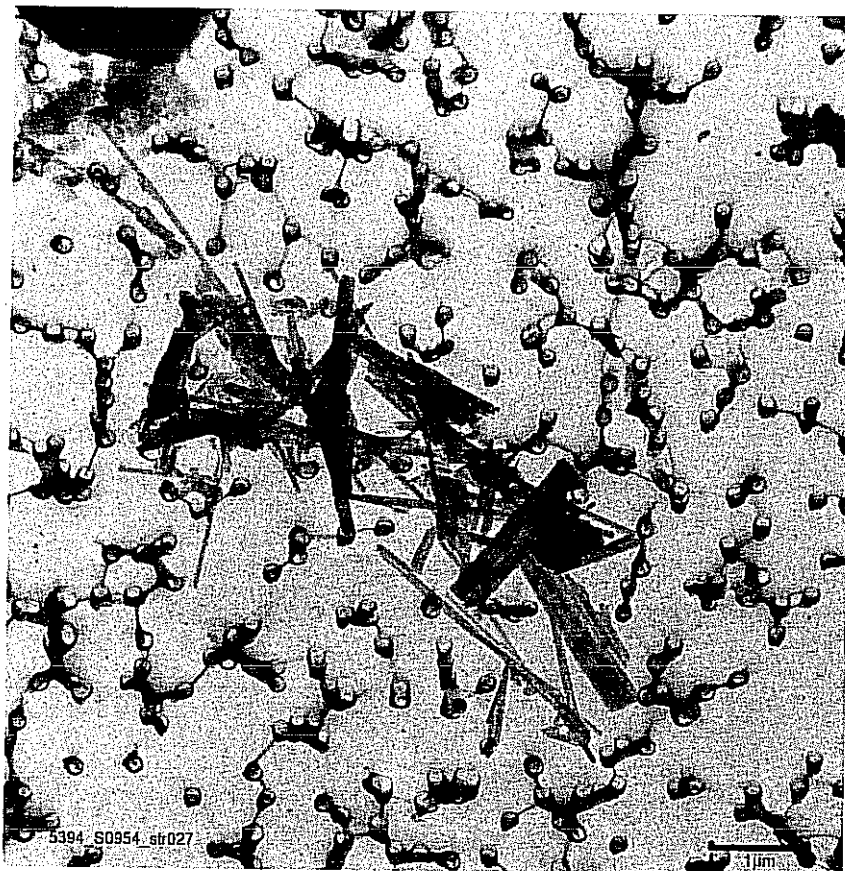


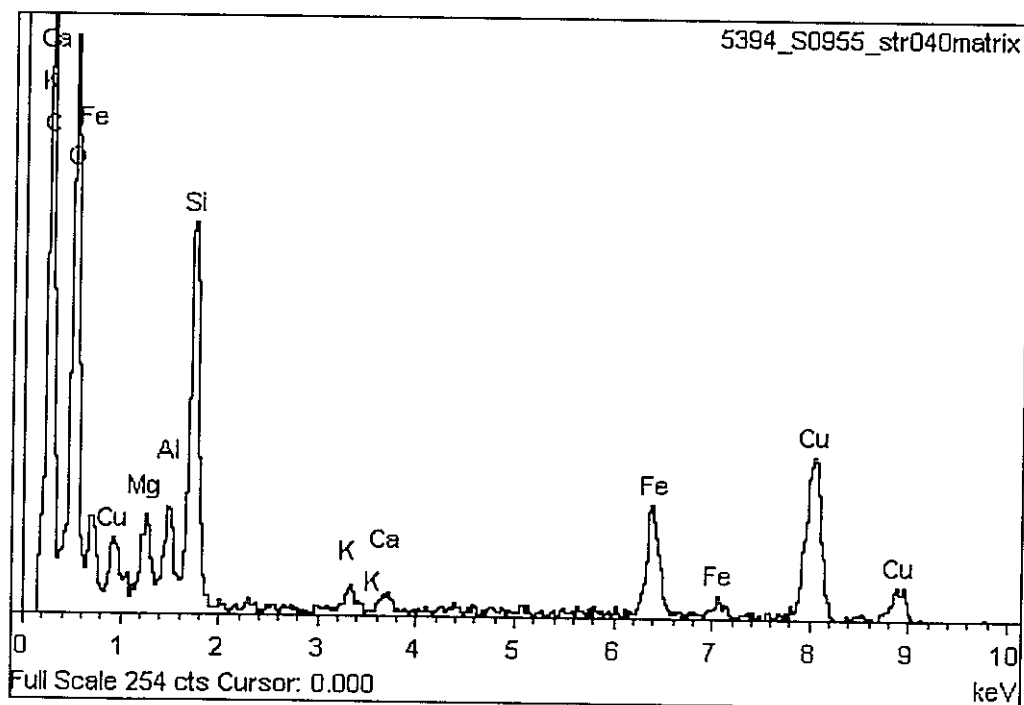
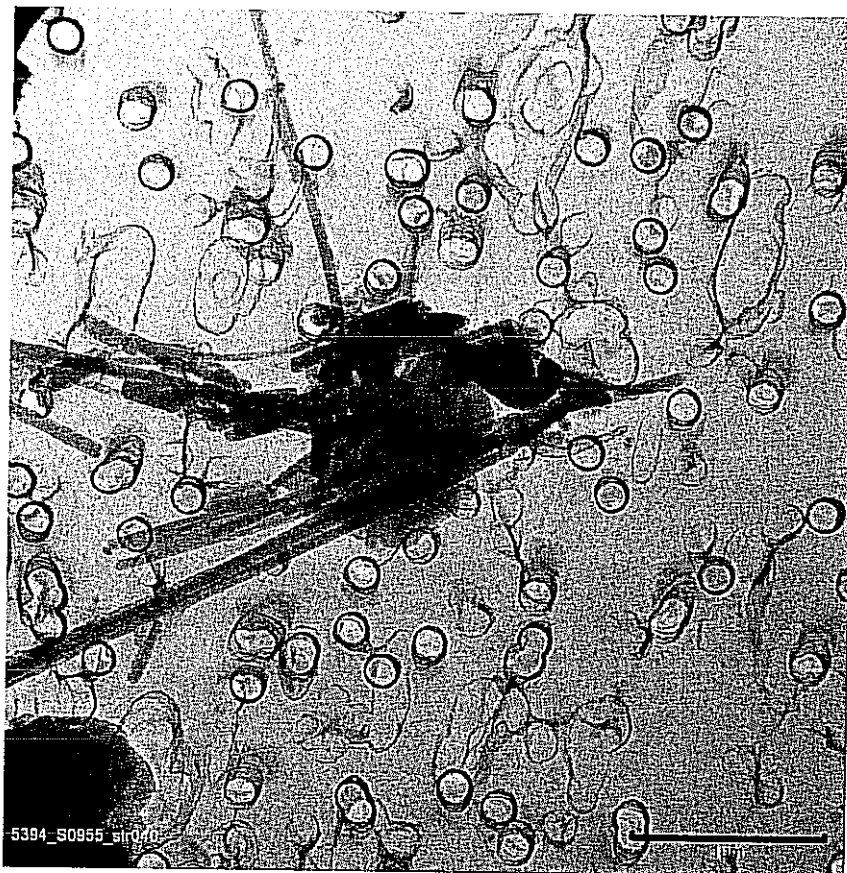












Analyst: WRB
Date: 9/1/07
Page: 1 of 1
Comments: 1.0 ML ANAL.
ASTM Method: D6480
or D5755 X

5394report091107statecorr

Surface Dust Sample Analysis Sheet

MVA Project# 5394 Amt Collected(cm²): 100
 MVA Sample# S0953 Amt Prepped(cm²): 0.1
 Client I.D.: 51VA Filter Area (mm²): 1256
 Instrument: Philips 420 Filter Type: PC 0.2
 Magnification: 20,600 Openings Analyzed: 8
 Acc. Voltage: 100 Grid Opening (mm²): 0.009

Analyst: WRB
 Date: 9/3/07
 Page: 1 of 2
 Comments: 0.1 ML ANAL.
 ASTM Method: D6480
 or D5755 X

Grid	Opening	Structure Number*	Structure Type	Length** (cm)	Width** (cm)	SAED	EDS	Comments	Length*** (μm)	Width*** (μm)
1	F2	1	F	7.4	0.2	C	C	PHOTO	3.6	0.10
		2	F	4.0	0.2	C			1.9	0.10
		3	C	10.5	4.5	C			5.1	2.18
		4	B	22.9	0.3	C			11.1	0.15
		5	F	11.3	0.2	C			5.5	0.10
	G4	6	M	10.5	5.5	C	C	CHRY-VERM PHOTO	5.1	2.67
		7	M	6.8	4.4	C		G.O. EDGE	3.3	2.14
		8	F	1.1	0.2	C			0.5	0.10
		9	F	5.8	0.1	C			2.8	0.05
		10	F	16.6	0.1		C		8.1	0.05
		11	F	4.2	0.1		C		2.0	0.05
		12	B	51.0	0.9	C	C		24.8	0.44
	H7	13	C	8.3	7	C		G.O. EDGE	4.0	3.40
		14	B	27.5	0.6	C			13.3	0.29
		15	F	5.7	0.4	C		G.O. EDGE	2.8	0.19
		16	C	2.4	2.3	C			1.2	1.12
		17	F	5.2	0.3	C			2.5	0.15
		18	B	2.6	0.5	C	C		1.3	0.24
	D8	19	M	14.3	6	C			6.9	2.91
		20	C	4.8	2.1	C			2.3	1.02
		21	F	1.3	0.2	C	C		0.6	0.10
		22	F	3.1	0.3	C			1.5	0.15
	C4	23	F	9.2	0.1	C			4.5	0.05
		24	F	5.5	0.2	C			2.7	0.10
		25	B	25.7	0.3	C		G.O. EDGE	12.5	0.15
		26	F	6.8	0.2	C			3.3	0.10
		27	F	7.0	0.2	C			3.4	0.10
		28	F	10.6	0.1	C		G.O. EDGE	5.1	0.05
2	B3	29	C	6.2	2.7	C			3.0	1.31
		30	C	7.8	3.7	C			3.8	1.80
		31	C	4.5	3.2	C	C		2.2	1.55
		32	B	7.4	0.5	C			3.6	0.24
		33	F	2.3	0.2	C			1.1	0.10
		34	F	4.7	0.2	C			2.3	0.10
		35	C	37.9	2.6	C			18.4	1.26

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

Amt Collected(cm ²):	100
Amt Prepped(cm ²):	0.1
Filter Area (mm ²):	1256
Filter Type:	PC 0.2
Openings Analyzed:	8
Grid Opening (mm ²):	0.009

Comments: 0.1 ML ANAL.
ASTM Method: D6480
or D5755 X

[illegible]

**** On Screen Measurement**

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394 Amt Collected(cm²): 100
MVA Sample# S0954 Amt Prepped(cm²): 1
Client I.D.: 52.VA Filter Area (mm²): 1256
Instrument: Philips 120 Filter Type: PC
Magnification: 24,000 Openings Analyzed: 5
Acc. Voltage: 100 Grid Opening (mm²): 0.009

Analyst: WH

Date: 8/8/2007

Page: 1 of 2

Comments: 1.0 ml

ASTM Method: D6480

or D5755

X

Grid	Opening	Structure Number*	Structure Type	Length** (cm)	Width** (cm)	SAED	EDS	Comments	Length*** (µm)	Width*** (µm)
1	B2	1	F	11	0.1	C			4.6	0.04
		2	F	9.5	0.1	C			4.0	0.04
		3	F	3.5	0.1	C			1.5	0.04
		4	F	4.6	0.2	C			1.9	0.08
		5	M	1.6	0.1	C			0.7	0.04
		6	M	19.0	6.5	C	C	PHOTO	7.9	2.71
	C4	7	F	12.5	0.1	C			5.2	0.04
		8	C	5.0	1.5	C			2.1	0.63
		9	F	16.0	0.1	C			6.7	0.04
		10	B	16.6	0.4	C			6.9	0.17
		11	M	4.0	0.1	C			1.7	0.04
		12	F	3.0	0.1	C			1.3	0.04
		13	M	32.0	0.5	C			13.3	0.21
		14	F	10.1	0.1	C			4.2	0.04
		15	C	4.0	1	C			1.7	0.42
		16	B	42.5	0.2	C			17.7	0.08
		17	F	16.0	0.1	C			6.7	0.04
	D1	18	C	3.0	1	C			1.3	0.42
		19	F	26.0	0.1	C			10.8	0.04
		20	C	14.5	5	C			6.0	2.08
		21	B	16.5	0.4	C			6.9	0.17
		22	F	4.5	0.1	C			1.9	0.04
		23	F	6.0	0.2	C			2.5	0.08
		24	C	36.5	9.5	C			15.2	3.96
		25	B	20.0	0.5	C			8.3	0.21
		26	B	6.5	0.5	C			2.7	0.21
		27	C	21.0	8.5	C/A	C/AO	photo	8.8	3.54
		28	C	18.0	9	C			7.5	3.75
		29	F	6.5	0.1	C			2.7	0.04
	E3	30	C	39.5	17	C			16.5	7.08
		31	B	21.5	0.9	C			9.0	0.38
		32	C	13.5	6.5	C			5.6	2.71
		33	C	17.9	2.5	C			7.5	1.04
		34	F	7.5	0.1	C			3.1	0.04
		35	F	2.8	0.1	C			1.2	0.04

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project# 5394 Amt Collected(cm²): 100
 MVA Sample# S0955 Amt Prepped(cm²): 0.01
 Client I.D.: 53.VA Filter Area (mm²): 1256
 Instrument: Philips 120 Filter Type: PC
 Magnification: 24,000 Openings Analyzed: 4
 Acc. Voltage: 100 Grid Opening (mm²): 0.009

Analyst: WH
 Date: 9/4/2007
 Page: 1 of 2
 Comments: 0.01 ml
 ASTM Method: D6480
 or D5755 X

Grid	Opening	Structure Number*	Structure Type	Length** (cm)	Width** (cm)	SAED	EDS	Comments	Length*** (μm)	Width*** (μm)
1	B5	1	F	4	0.1	C			1.7	0.04
		2	F	2.0	0.1	C			0.8	0.04
		3	B	2.8	0.5	C			1.2	0.21
		4	F	35.0	0.1	C			14.6	0.04
		5	F	21.5	0.1	C			9.0	0.04
		6	F	9.5	0.1	C			4.0	0.04
		7	B	2.0	0.25	C			0.8	0.10
		8	F	5.0	0.1	C			2.1	0.04
		9	F	2.2	0.1	C			0.9	0.04
		10	F	1.5	0.2	C			0.6	0.08
		11	B	4.0	0.3	C			1.7	0.13
		12	B	5.0	0.3	C			2.1	0.13
		13	F	11.5	0.1	C			4.8	0.04
		14	F	6.6	0.1	C			2.8	0.04
	C7	15	B	17.0	0.6	C			7.1	0.25
		16	B	3.5	0.5	C			1.5	0.21
		17	B	5.0	0.3	C			2.1	0.13
		18	B	3.0	0.5	C			1.3	0.21
		19	B	4.0	0.25	C			1.7	0.10
		20	C	11.0	4	C			4.6	1.67
		21	F	4.6	0.1	C			1.9	0.04
		22	F	5.5	0.1	C			2.3	0.04
		23	C	13.5	3.5	C			5.6	1.46
		24	C	5.0	2.1	C			2.1	0.88
		25	F	2.1	0.1	C			0.9	0.04
		26	F	5.0	0.1	C			2.1	0.04
		27	F	4.0	0.1	C			1.7	0.04
		28	F	9.0	0.1	C			3.8	0.04
	D9	29	F	4.0	0.1	C			1.7	0.04
		30	C	8.5	1.8	C			3.5	0.75
		31	F	5.0	0.1	C			2.1	0.04
		32	B	6.6	0.5	C			2.8	0.21
		33	F	7.0	0.15	C			2.9	0.06
		34	F	4.0	0.1	C			1.7	0.04
		35	F	7.5	0.1	C			3.1	0.04

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

Surface Dust Sample Analysis Sheet

MVA Project#	5394	Amt Collected(cm ²):	0
MVA Sample#	S0956	Amt Prepped(cm ²):	N/A
Client I.D.:	54.VA	Filter Area (mm ²):	1256
Instrument:	Philips 120	Filter Type:	PC
Magnification:	24,000	Openings Analyzed:	10
Acc. Voltage:	100	Grid Opening (mm ²):	0.009

Analyst: WH

Date: 8/8/2007

Page: 1 of 1

Comments: 1.0 ml

ASTM Method: D6480

or D5755 X

[illegible]

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

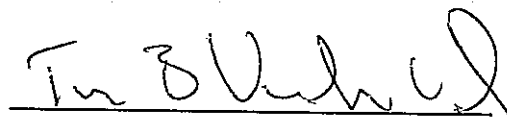
Report of Results: MVA5394

**Analysis of Settled Dust
Sierra Smith Regional HQ**

Prepared for:

**State of California
Dept of General Services
Seismic & Special Programs
707 West 3rd St.
West Sacramento, CA 95605**

Respectfully Submitted by:



**Tim B. Vander Wood, Ph.D.
Executive Director**

**MVA Scientific Consultants
3300 Breckinridge Boulevard
Suite 400
Duluth, GA 30096**

11 September 2007



Report of Results: MVA5394**Analysis of Settled Dust - Sierra Smith Regional HQ****Introduction**

On 1 August 2007, we received four settled dust samples from Clark Sief Clark, reportedly collected from the Sierra Smith Regional HQ, 1234 E. Shaw Ave., Fresno, California. We were asked to determine the asbestos levels in the dust and possible sources for the asbestos. Upon receipt, the samples were assigned MVA Scientific Consultants laboratory identification numbers as follows:

Sample ID	Sample Description	MVA Number
46VA	Office Bldg, Attic/Storage SW corner@wall	S0948
47VA	Office Bldg, Attic/Storage East-Middle-Along wall	S0949
48VA	Radio Maintenance Shop N Wall-Beam surface	S0950
49VA	Radio Maintenance Shop Refrigerator-Top Surface	S0951

All analyses were carried out in our laboratory during the period 1 August through 7 September 2007.

Methods

The samples were analyzed according to ASTM Method D5755-03 using either a Philips model EM420 or a Philips model CM120 transmission electron microscope (TEM), equipped with an Oxford INCA energy dispersive x-ray spectrometer (EDS). Additional analyses for dust constituents that might serve as source indicators were also conducted by TEM/EDS.

Results and Discussion

The results of analysis for these samples are presented in Table 1. The Appendix contains a summary of the analytical results, the laboratory count sheets, and images and EDS spectra of typical asbestos fibers found in these samples. Also contained in the appendix are images and spectra showing vermiculite associated with chrysotile fibers and other asbestiform amphibole minerals typical of those known as "Libby amphibole" and observed as contaminants in vermiculite from the Libby, Montana vermiculite mine operated by W.R. Grace.



Conclusions

Dust analyzed in this study contains elevated levels of chrysotile asbestos. Portions of the dust are consistent with derivation from a chrysotile/vermiculite bearing fireproofing. Asbestiform amphibole consistent with "Libby amphibole" was also found, indicating that the vermiculite in this sample originated at least in part at W.R. Grace's Libby vermiculite mine.

Table 1. Asbestos Concentration in Settled Dust Samples

Sample ID	MVA Number	Asbestos Str/cm ²
46VA	S0948	362,844
47VA	S0949	1,535,111
48VA	S0950	1,162,963
49VA	S0951	0





Requested TAT (Circle One)	Same Day	One Day (24hr)	Normal (48hr)
Analysis Type (Circle One)	Air	Surface	Bulk Water

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ASTM D5755 Results**MVA 5394**

By: W.Hill

Client project number:

Str/cm = No Str. X CFA X Total Vol.

Grid Op. X GO Area X Vol Filt X Area Sampled

MVA #:	S0948	Client #:	46.VA				
Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.	
26	1256	10	0.009	1	100	100	

Anal. Sens = 13955.556 Str/CM2 LOD =3* Anal. Sens = 41866.667
 Total = 362844.444 Str/CM2

MVA #:	S0949	Client #:	47.VA				
Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.	
55	1256	5	0.009	1	100	100	

Anal. Sens = 27911.111 Str/CM2 LOD =3* Anal. Sens = 83733.333
 Total = 1535111.111 Str/CM2

MVA #:	S0950	Client #:	48.VA				
Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.	
50	1256	6	0.009	1	100	100	

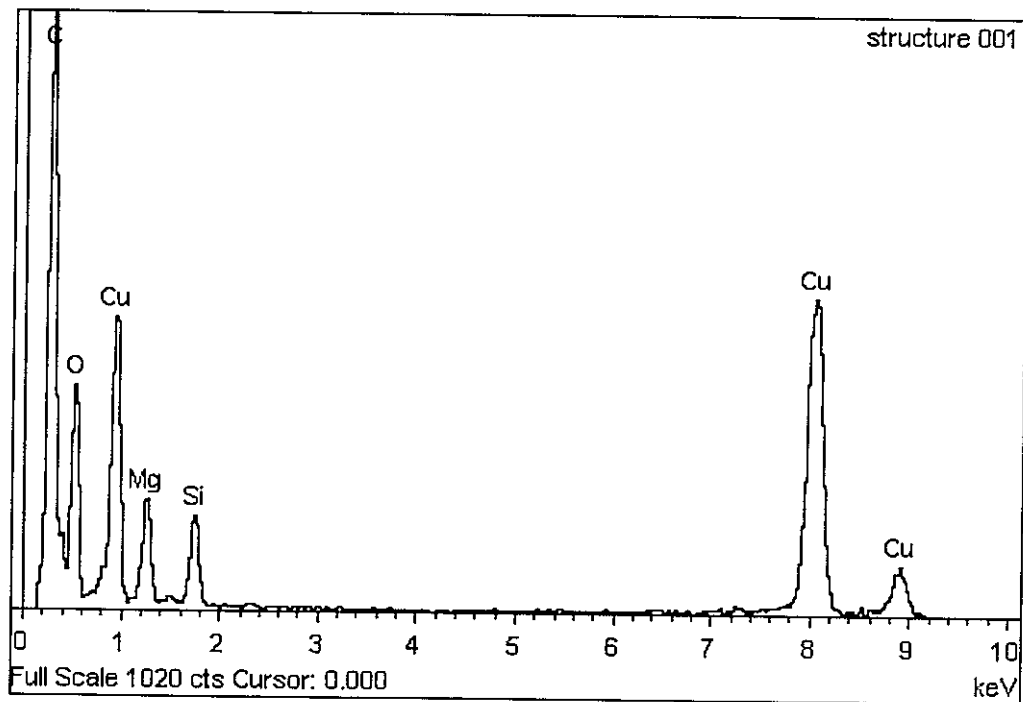
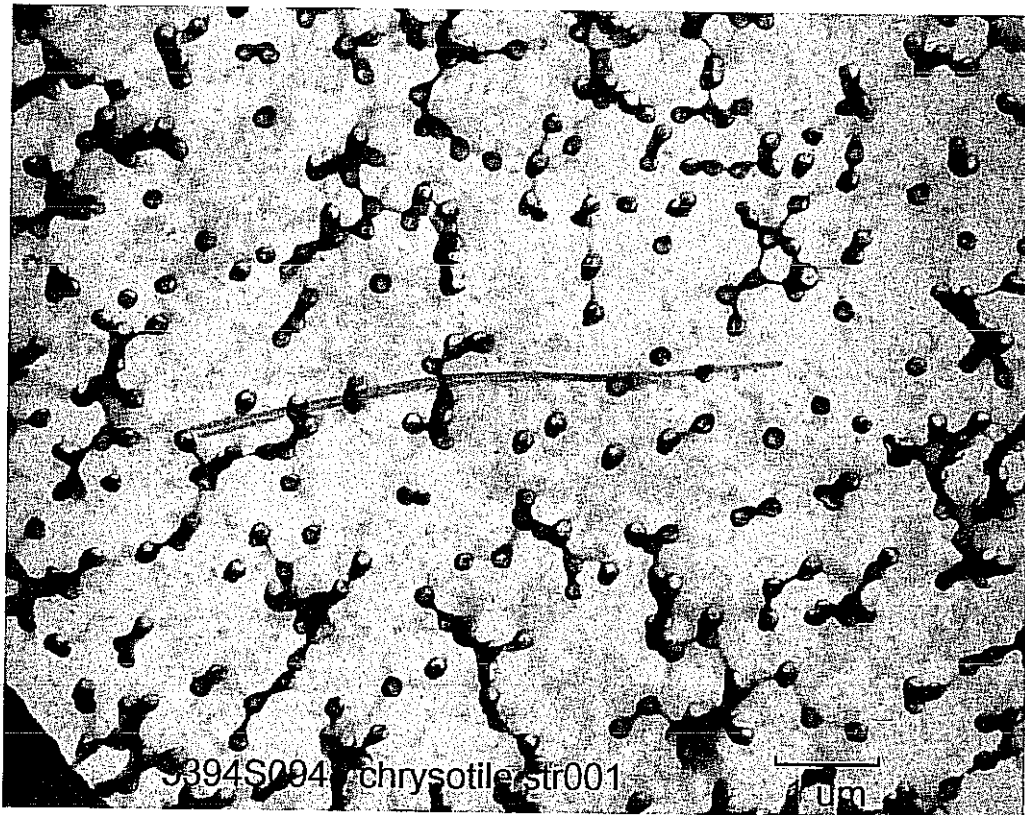
Anal. Sens = 23259.259 Str/CM2 LOD =3* Anal. Sens = 69777.778
 Total = 1162962.963 Str/CM2

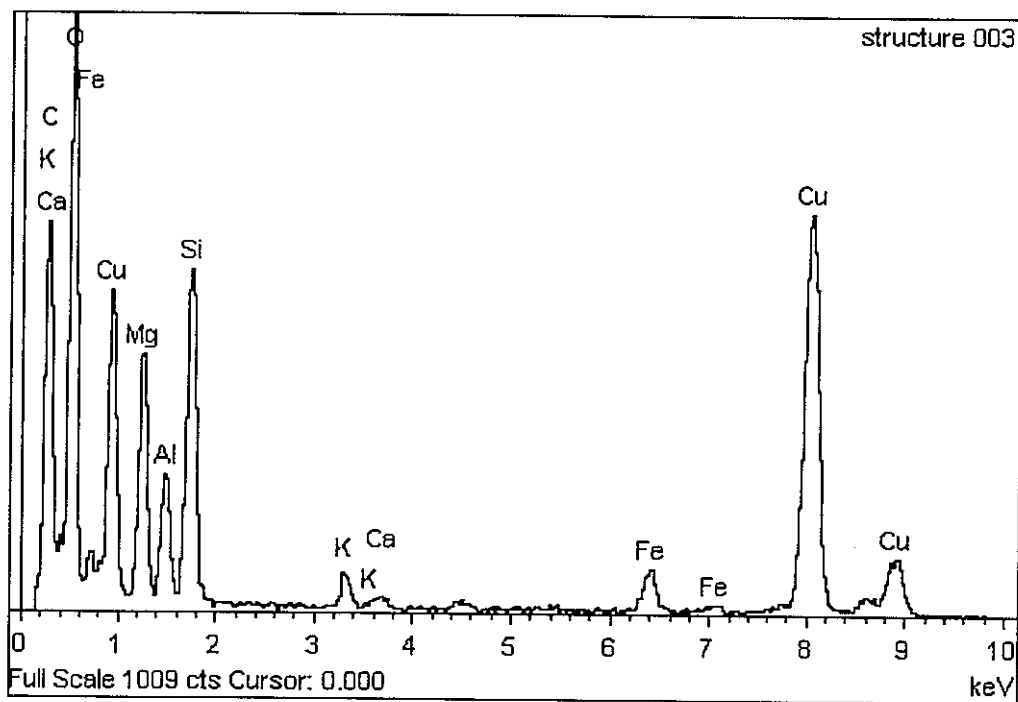
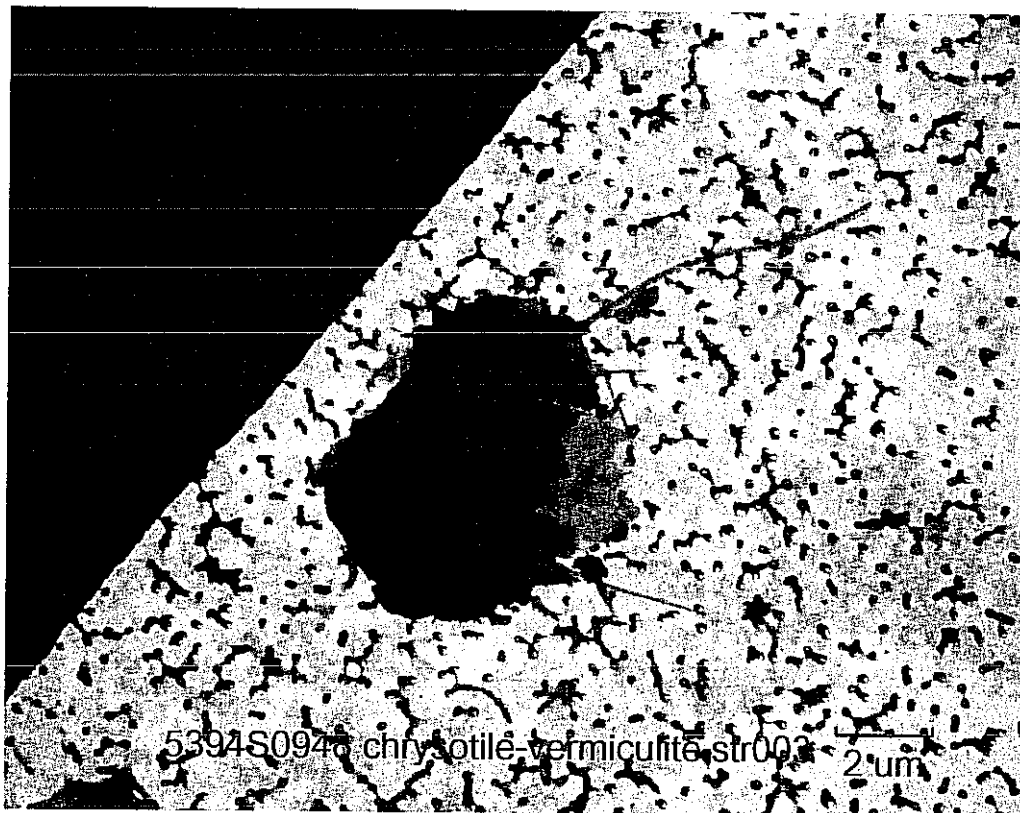
MVA #:	S0951	Client #:	49.VA				
Str. #	CFA	#GO	Area GO	Vol Filt ml	Total Vol.	Area Samp.	
0	1256	9	0.009	1	100	100	

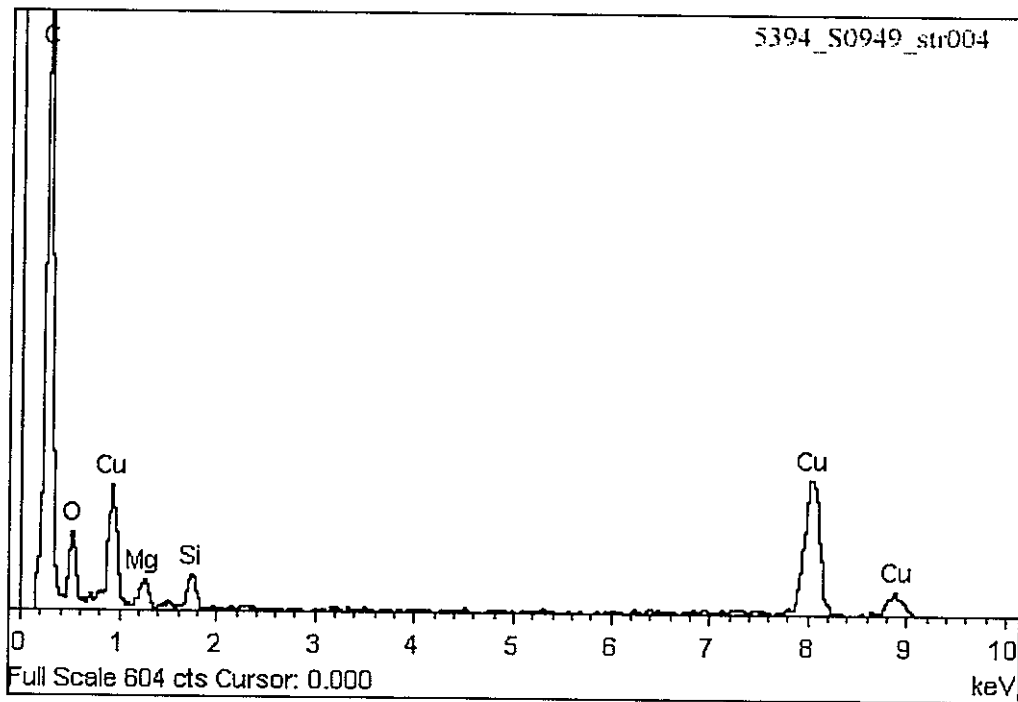
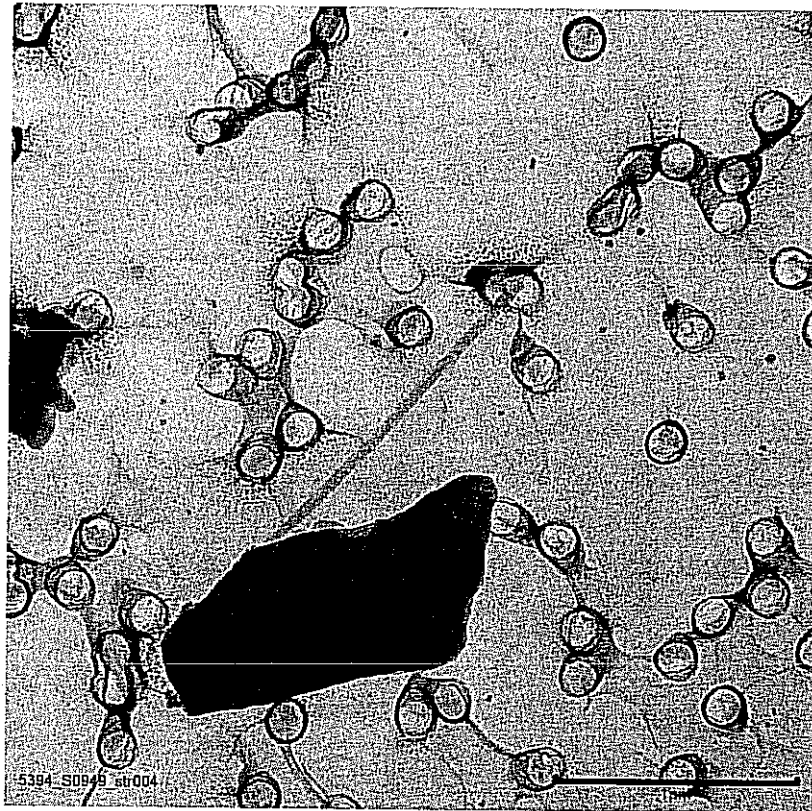
Anal. Sens = 15506.173 Str/CM2 LOD =3* Anal. Sens = 46518.519
 Total = 0.000 Str/CM2

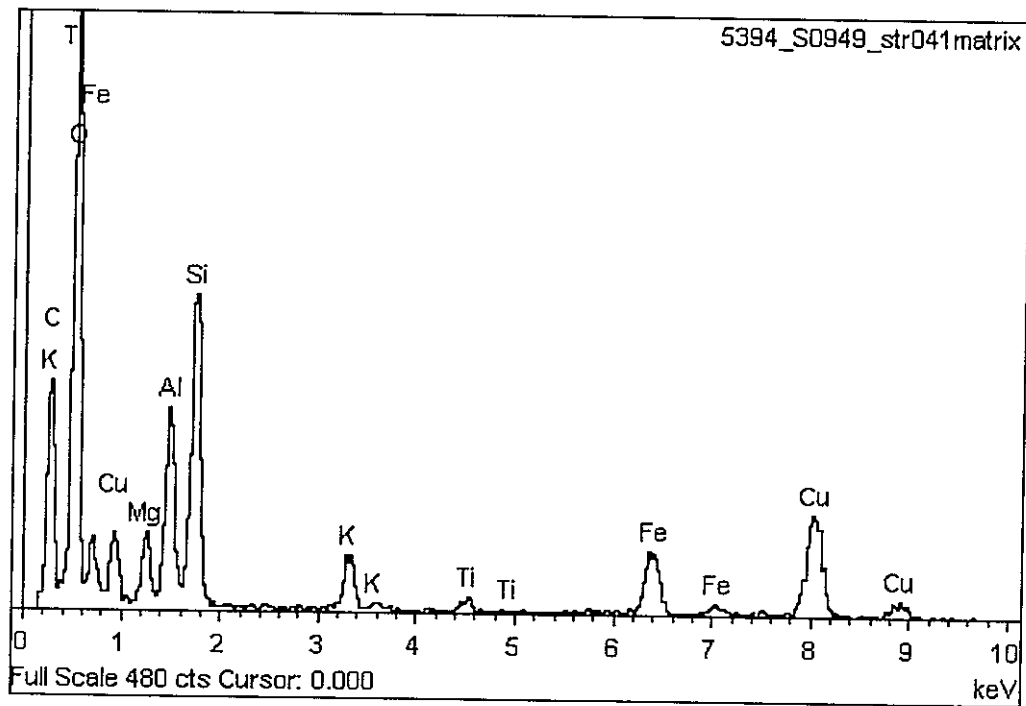
* According to ASTM D6620

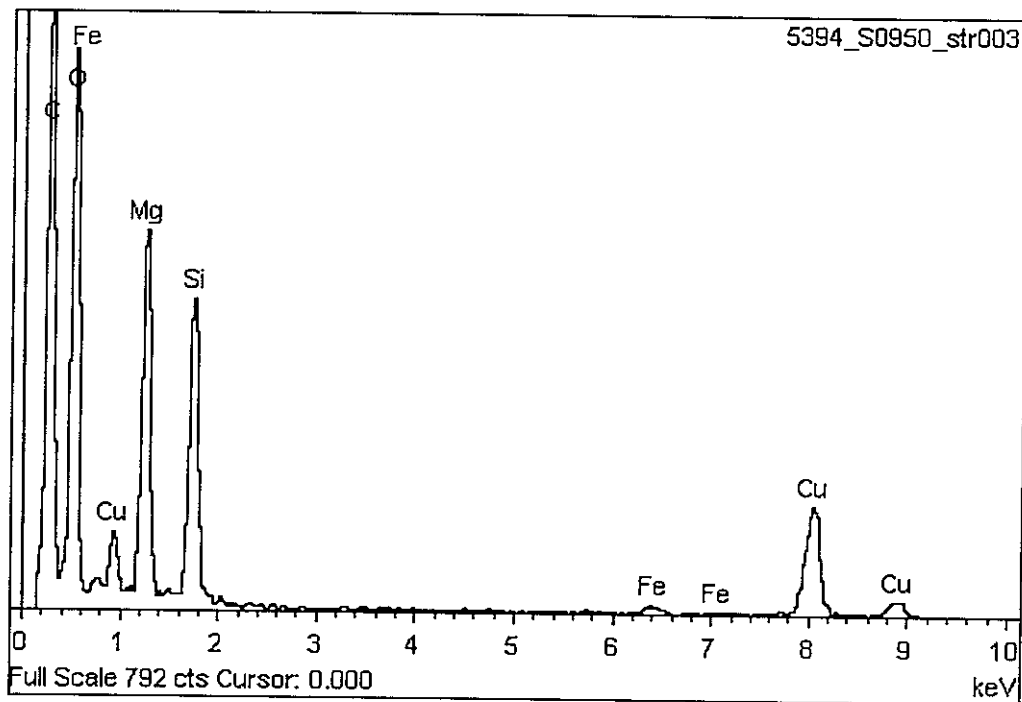
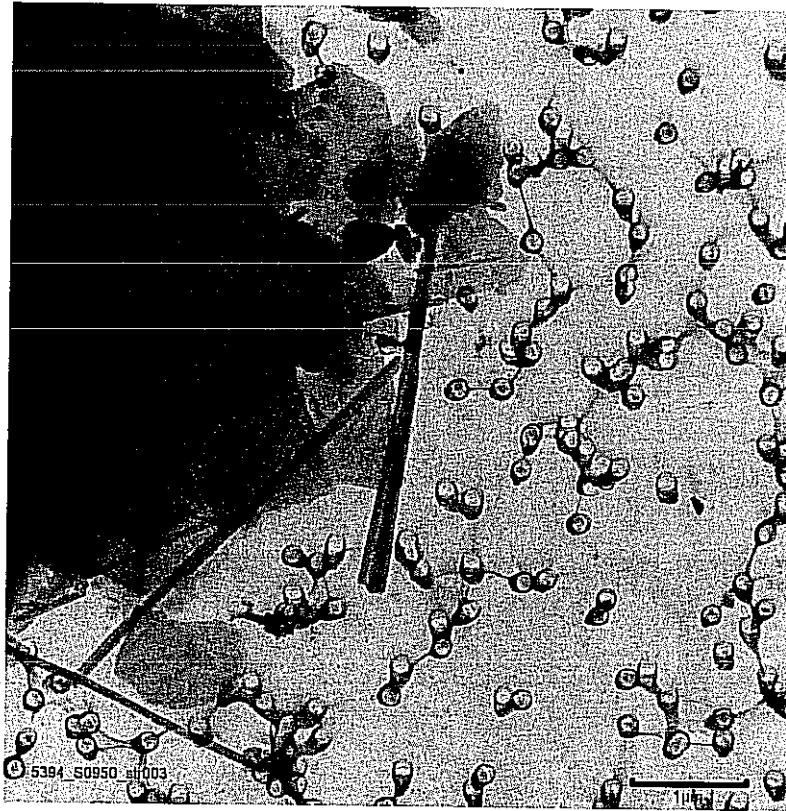


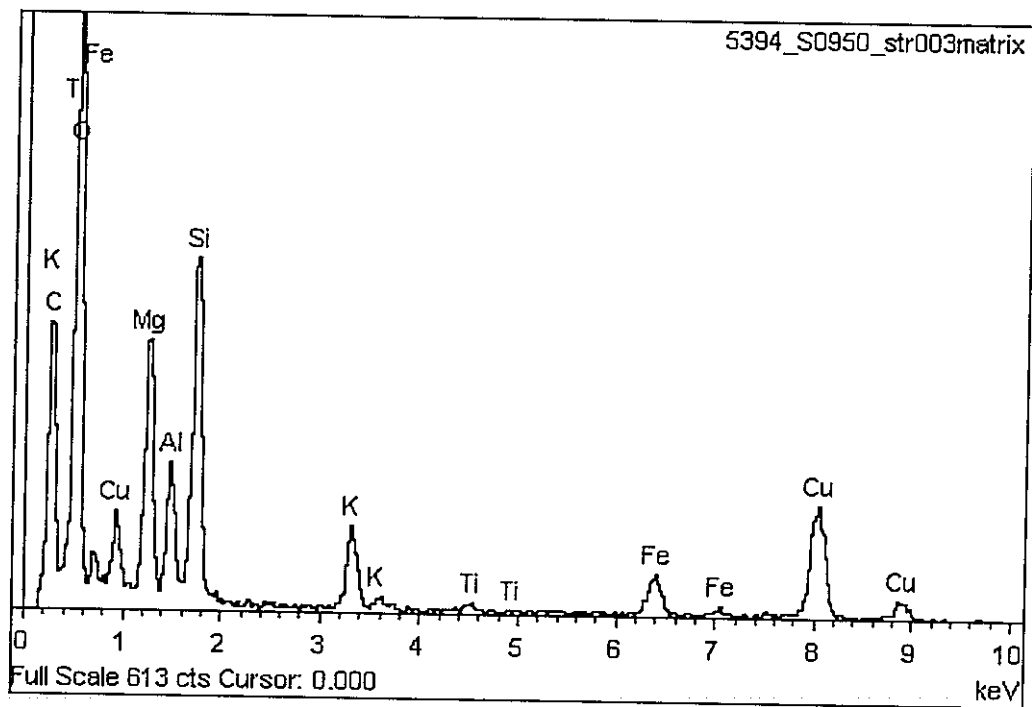


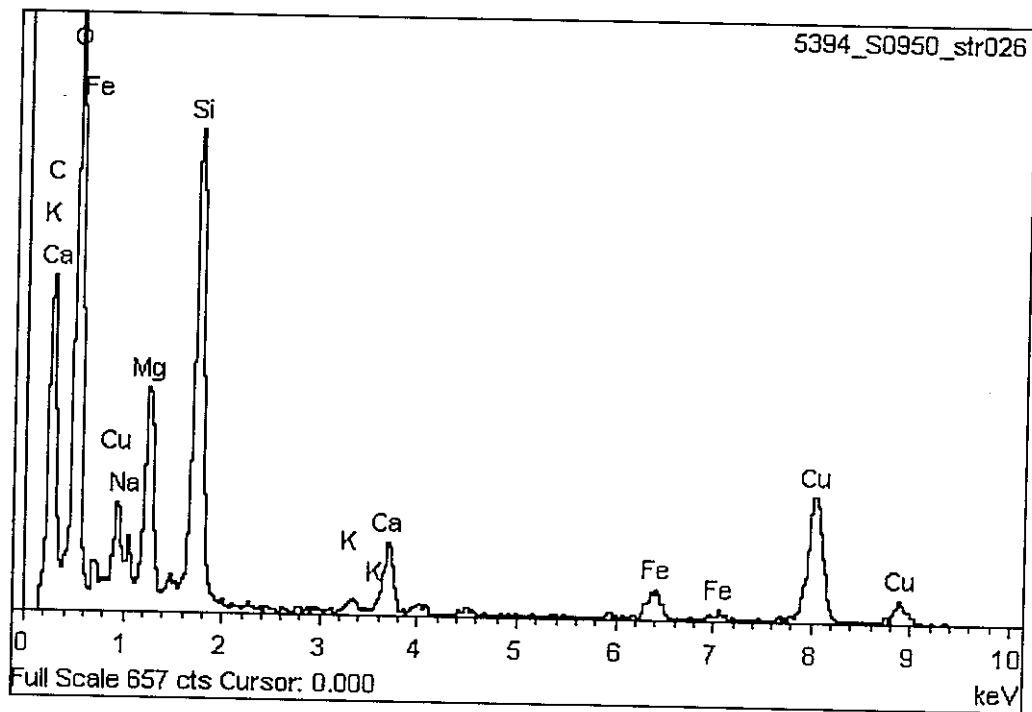
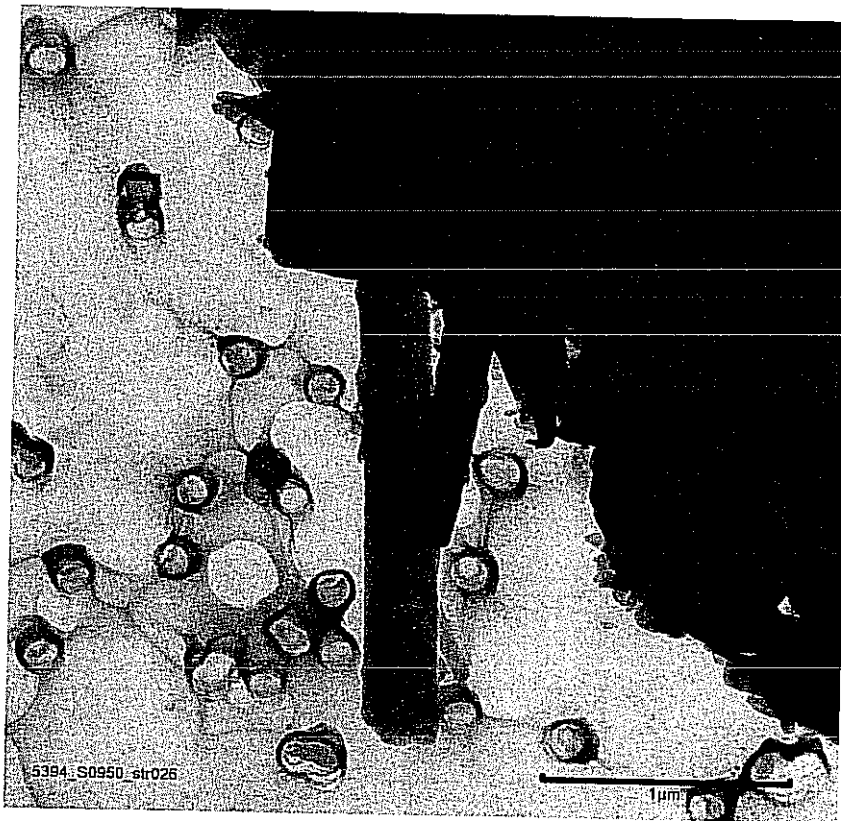












MVA Project#	5394	Amt Collected(cm ²):	100
MVA Sample#	S0948	Amt Prepped(cm ²):	1
Client I.D.:	46VA	Filter Area (mm ²):	1256
Instrument:	Philips 420	Filter Type:	PC 0.2
Magnification:	20,600	Openings Analyzed:	10
Acc. Voltage:	100	Grid Opening (mm ²):	0.009

Analyst: AH
Date: 8/30/2007
Page: 1 of 1
Comments: 1.0 ML ANAL.
Method: D6480
or D5755 X

*NFD or NSD = No Fibers Detected or No Structures Detected

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

SAED: C = Chrysotile, A = Amphibole

EDS: C = Chrysotile, AM = Amosite, CR = Crocidolite, AC = Actinolite, AN = Anthophyllite, TR = Tremolite, N = Non Asbestos

MVA SCIENTIFIC CONSULTANTS

Surface Dust Sample Analysis Sheet

MVA Project#	5394	Amt Collected(cm ²):	100
MVA Sample#	S0949	Amt Prepped(cm ²):	1
Client I.D.:	47 VA	Filter Area (mm ²):	1256
Instrument:	Philips 120	Filter Type:	PC
Magnification:	24,000	Openings Analyzed:	5
Acc. Voltage:	100	Grid Opening (mm ²):	0.009

Analyst: WH

Date: 8/31/2007

Page: 1 of 2

Comments: 1ml

ASTM Method: D6480

or D5755

X

Grid	Opening	Structure Number*	Structure Type	Length** (cm)	Width** (cm)	SAED	EDS	Comments	Length*** (µm)	Width*** (µm)
1	C6	1	F	5.5	0.1	C			2.3	0.04
		2	F	6.0	0.2	C			2.5	0.08
		3	F	2.5	0.1	C			1.0	0.04
		4	M	3.5	0.1	C	C	photo	1.5	0.04
		5	F	7.5	0.1	C			3.1	0.04
		6	F	5.5	0.1	C			2.3	0.04
		7	F	3.1	0.1	C			1.3	0.04
		8	B	10.0	1	C			4.2	0.42
		9	M	3.5	0.1	C			1.5	0.04
		10	B	20.0	1.1	C			8.3	0.46
		11	F	4.0	0.1	C			1.7	0.04
		12	F	31.0	0.1	C			12.9	0.04
		13	F	5.0	0.1	C			2.1	0.04
	F4	14	B	10.0	0.3	C			4.2	0.13
		15	F	4.5	0.1	C			1.9	0.04
		16	F	8.5	0.1	C			3.5	0.04
		17	F	5.5	0.1	C			2.3	0.04
		18	F	4.0	0.1	C			1.7	0.04
		19	B	9.0	0.8	C			3.8	0.33
		20	F	5.5	0.1	C			2.3	0.04
		21	B	4.0	0.2	C			1.7	0.08
		22	F	2.8	0.1	C			1.2	0.04
		23	F	4.0	0.1	C			1.7	0.04
	I1	24	F	10.0	0.1	C			4.2	0.04
		25	F	3.0	0.1	C			1.3	0.04
		26	F	48.0	0.1	C			20.0	0.04
		27	M	4.6	0.1	C			1.9	0.04
		28	F	3.2	0.1	C			1.3	0.04
		29	F	22.0	0.15	C			9.2	0.06
		30	F	9.5	0.1	C			4.0	0.04
		31	F	2.5	0.1	C			1.0	0.04
		32	F	2.6	0.2	C			1.1	0.08
		33	F	3.1	0.1	C			1.3	0.04
		34	F	5.6	0.1	C			2.3	0.04
		35	F	13.5	0.1	C			5.6	0.04

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

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X

5394report091107sierrasmith

Surface Dust Sample Analysis Sheet

MVA Project#	5394	Amt Collected(cm ²):	100
MVA Sample#	S0950	Amt Prepped(cm ²):	1
Client I.D.:	48 VA	Filter Area (mm ²):	1256
Instrument:	Philips 120	Filter Type:	PC
Magnification:	24,000	Openings Analyzed:	6
Acc. Voltage:	100	Grid Opening (mm ²):	0.009

Analyst: WH

Date: 8/31/2007

Page: 1 of 2

Comments: 1ml

ASTM Method: D6480

or D5755 \overline{X}

[illegible]

*NFD or NSD = No Fibers Detected or No Structures Detected

** On Screen Measurement

*** Calculated Actual Measurement (On Screen Measurement X 10,000/Magnification)

Structure Type: B = Bundle, C = Cluster, F = Fiber, M = Matrix

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Analyst: WRB
Date: 9/4/07
Page: 2 of 2
Comments: 1ml
ASTM Method: D6480
or D5755 X

5394report091107sierrasmith

Surface Dust Sample Analysis Sheet

Analyst: AH
Date: 8/31/2007
Page: 1 of 1
Comments: 1.0 ML ANAL.
ASTM Method: D6480
or D5755 X

5394report091107sierrasmith